## CLAIMS

1. An image forming apparatus comprising:

a first laser scanner unit for emitting a first laser beam and a second laser beam, which has a first laser source for generating the first laser beam, a second laser source for generating the second laser beam, and a first rotary mirror for deflecting the first laser beam and the second laser beam generated from the first laser source and the second laser source;

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a second laser scanner unit for emitting a third laser beam and a fourth laser beam, which has a third laser source for generating the third laser beam, a fourth laser source for generating the fourth laser beam, and a second rotary mirror for deflecting the third laser beam and the fourth laser beam generated from the third laser source and the fourth laser source;

a first photosensitive member irradiated with 20 the first laser beam;

a second photosensitive member irradiated with the second laser beam;

a third photosensitive member irradiated with the third laser beam; and

a fourth photosensitive member irradiated with the fourth laser beam, characterized in that:

an optical path configuration for the third

laser beam from the third laser source to the third photosensitive member is substantially the same as an optical path configuration for the first laser beam from the first laser source to the first photosensitive member;

an optical path configuration for the fourth laser beam from the fourth laser source to the fourth photosensitive member is substantially the same as an optical path configuration for the fourth laser beam from the second laser source to the second photosensitive member; and

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a second virtual line connecting a rotation center of the third photosensitive member and a rotation center of the fourth photosensitive member is inclined with respect to a first virtual line connecting a rotation center of the first photosensitive member and a rotation center of the second photosensitive member, and an angle made by a rotation axis of the second rotary mirror and the second virtual line being the same as an angle made by a rotation axis of the first rotary mirror and the first virtual line.

2. An image forming apparatus according to Claim 1, characterized in that an angle made by the first laser beam emitted from the first laser scanner unit and the third laser beam emitted from the second laser scanner unit and an angle made by the second

laser beam emitted from the first laser scanner unit and the fourth laser beam emitted from the second laser scanner unit are both equal to the angle made by the first virtual line and the second virtual line.

3. An image forming apparatus according to Claim 1, characterized in that a distance from the second photosensitive member to a position of the first laser scanner unit from which the second laser beam is emitted is equal to a distance from the fourth photosensitive member to a position of the 10 second laser scanner unit from which the fourth laser beam is emitted.

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- 4. An image forming apparatus according to Claim 1, characterized in that the first laser scanner unit has a first optical box supporting the 15 first laser source, the second laser source and the first rotary mirror, and the second laser scanner unit has a second optical box supporting the third laser source, the fourth laser source and the second rotary mirror. 20
  - 5. An image forming apparatus according to Claim 4, characterized in that both the first optical box and the second optical box are resin moldings produced by using the same mold.
- 6. An image forming apparatus according to 25 Claim 4, further comprising a first supporting member for positioning and supporting the first optical box,

characterized in that the second supporting

and a second supporting member for positioning and supporting the second optical box,

member is inclined with respect to the first supporting member so that the angle made by the rotation axis of the first rotary mirror and the first virtual line is equal to the angle made by the rotation axis of the second rotary mirror and the second virtual line.

7. An image forming apparatus according to
Claim 4, further comprising a supporting member for
positioning and supporting the first optical box and
the second optical box,

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characterized in that the supporting member includes two positioning portions making an angle so that the angle made by the rotation axis of the first rotary mirror and the first virtual line is equal to the angle made by the rotation axis of the second rotary mirror and the second virtual line.

- 8. An image forming apparatus according to Claim 4, characterized in that an angle made by the first optical box and the second optical box is equal to an angle made by the first virtual line and the second virtual line.
- 9. An image forming apparatus according to
  Claim 1, characterized in that the optical path
  configurations for all the first laser beam through

the fourth laser beam are substantially the same.

- 10. An image forming apparatus according to Claim 1, characterized in that all the four optical systems forming the optical paths for the first through fourth laser beams use optical elements that are substantially the same optically.
- 11. An image forming apparatus according to Claim 1, characterized in that the rotation centers of the first photosensitive member through the third photosensitive member are arranged in a straight line, and the rotation center of the fourth photosensitive member is deviated from the straight line.

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- 12. An image forming apparatus comprising:
- a first laser scanner unit for emitting a first
  laser beam and a second laser beam, which has a first
  laser source for generating the first laser beam, a
  second laser source for generating the second laser
  beam, and a first rotary mirror for deflecting the
  first laser beam and the second laser beam generated
  from the first laser source and the second laser
  source;

a second laser scanner unit for emitting a third laser beam and the fourth laser beam, which has a third laser source for generating the third laser beam, a fourth laser source for generating the fourth laser beam, and a second rotary mirror for deflecting the third laser beam and the fourth laser beam

generated from the third laser source and the fourth laser source;

a first photosensitive member irradiated with the first laser beam;

a second photosensitive member irradiated with the second laser beam;

a third photosensitive member irradiated with the third laser beam; and

a fourth photosensitive member irradiated with 10 the fourth laser beam, characterized in that:

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an optical path configuration for the third laser beam from the third laser source to the third photosensitive member is substantially the same as an optical path configuration for the second laser beam from the second laser source to the second photosensitive member;

an optical path configuration for the fourth laser beam from the fourth laser source to the fourth photosensitive member is substantially the same as an optical path configuration for the first laser beam from the first laser source to the first photosensitive member; and

a second virtual line connecting a rotation center of the third photosensitive member and the rotation center of the fourth photosensitive member is inclined with respect to a first virtual line connecting a rotation center of the first photosensitive member and a rotation center of the second photosensitive member, and an angle made by a rotation axis of the second rotary mirror and the second virtual line being the same as an angle made by a rotation axis of the first rotary mirror and the first virtual line.

13. An image forming apparatus comprising:

a first laser scanner unit for emitting a first laser beam and a second laser beam, which has a first laser source for generating the first laser beam, a second laser source for generating the second laser beam, and a first rotary mirror for deflecting the first laser beam and the second laser beam generated from the first laser source and the second laser source:

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a second laser scanner unit for emitting a third laser beam and a fourth laser beam, which has a third laser source for generating the third laser beam, a fourth laser source for generating the fourth laser beam, and a second rotary mirror for deflecting the third laser beam and the fourth laser beam generated from the third laser source and the fourth laser source;

a first photosensitive member irradiated with the three thre

a second photosensitive member irradiated with the second laser beam;

a third photosensitive member irradiated with the third laser beam; and

a fourth photosensitive member irradiated with the fourth laser beam,

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characterized in that an angle made by the first laser scanner unit and the second laser scanner unit is equal to an angle made by a first virtual line connecting a rotation center of the first photosensitive member and a rotation center of the 10 second photosensitive member and a second virtual line connecting a rotation center of the third photosensitive member and a rotation center of the fourth photosensitive member.